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115, Appl
1115, Appl
1117, App
117, App
117, Appl
1133, Appl
1133, Appl
1134, Appl
146, Appl
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Sequence 9, Appli
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                                                                                                                                           March 15, 2005, 08:50:58; Search time 23 Seconds (without alignments) 51.930 Million cell updates/sec
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(cgn2_6/ptodata/1/iaa/6A_COMB.pep:*
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(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
(cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
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GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
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US-09-493-795B-133

US-09-493-795B-133

US-09-493-795B-135

US-09-493-795B-135

US-09-493-795B-125

US-09-493-795B-125

US-08-483-795B-125

US-08-483-795B-125

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US-08-481-174-46

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US-09-493-795B-17

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Maximum Match 100%
Listing first 45 summaries
                                                                                                 - protein search, using sw model
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Gapop 10.0 , Gapext 0.5
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104
1 GCCSLPPCALNNPDYC 16
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	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		6B-10 0, Application of Application	6B-10 h Similarity 16, Conser	8—8 —8	6B-9 Applicatic 6265541 FORMATION: McIntosh: Yoshikami: Caxtier. Luo, Sidi: Universit:
	@ <b>0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </b>		RESULT 1 US-09-219-44  Sequence 1  BATENT NO.  GENERAL IN  APPLICANT  FILE REFE  CURRENT FILE  PRIOR FILE  PRIOR PILE  TYPEE  TYPEE  CREATURE:  OTHER IN	S-09-219- Query Ma Best Loc Matches	<i>≿</i> 60	RESULT 2 US-09-19-44 ; Sequence 9 ; Patent No.; APPLICANT ; APPLICANT

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GENERAL INFORMATION:
APPLICANT: Olivera,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 95.2%; Score 99; DB 3; Length 16; Best Local Similarity 93.8%; Pred. No. 7.7e-06; Matches 15; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides
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Patent No. 6/979808
GENERAL INFORMATION:
APPLICANT: Watkins, Maren
APPLICANT: Olivera, Baldomero M.
APPLICANT: Hillyard, David R.
APPLICANT: McIntosh, J. Michael
APPLICANT: McIntosh, J. Michael
APPLICANT: Jones, Robbert M.
TITLE OF INVENTION: Alpha-Conotoxin Peptides
FILE REFERENCE: 2314-179.A
            FILE REPERENCE: Uses of Alpha-Conotoxins
CURRENT APPLICATION NUMBER: US/09/219,446B
CURRENT FILING DATE: 1998-12-3
PRIOR APPLICATION NUMBER: US 60/080,588
PRIOR FILING DATE: 1998-04-03
PRIOR PILING DATE: 1998-04-03
PRIOR FILING DATE: 1997-12-31
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PATENTIN VET: 2.0
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US-09-219-446B-12
US-09-219-446B-12
Sequence 12, Application US/09219446B
PERENT NO 6265511
GENERAL INFORMATION:
APPLICANT: Olivera, Baldomero M.
                                                                                                                                                                                                                                                                                                                                                     1 GCCSLPPCALNNPDYC 16
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                                                                                                                                                                                                                       ORGANISM: Conus purpurascens
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; ORGANISM: Conus purpurascens
US-09-219-446B-12
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LENGTH: 16
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Pred. No. 7.3e-05;
1; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JOURGALL INFORMATION:
JAPPLICANT: MCINCOSH, J. Michael
JAPPLICANT: McIntosh, J. Michael
JAPPLICANT: Yoshikami, Doju
JAPPLICANT: Yoshikami, Doju
JAPPLICANT: Cartier, G. Edward
APPLICANT: Luo, Sigin
JAPPLICANT: Luo, Sigin
JAPPLICANT: University of Utah Research Foundation
JITLE OF INVENTION: Uses of Alpha-Conotoxins
GURRENT APPLICATION NUMBER: US 60/080, 588
FRIOR APPLICATION NUMBER: US 60/080, 588
FRIOR APPLICATION NUMBER: US 60/080, 588
FRIOR APPLICATION NUMBER: US 60/070, 153
FRIOR FILING DATE: 1997-12-31
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 11
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Fatent No. 6797808

GRNERAL INFORMATION:
APPLICANT: Watkins, Maren
APPLICANT: Olivera, Baldomero M.
APPLICANT: Hillyard, David R.
APPLICANT: Mointosh, J. Michael
APPLICANT: Jones, Robert M.
TITLE OF INVENTION: Alpha-Conotoxin Peptides
FILE REPERENCE: 2314-179.A
CURRENT APPLICATION NUMBER: US/09/493,795B
CURRENT FILING DATE: 2000-01-28
PRIOR APPLICATION NUMBER: US 60/118,381
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 404
SOFWARE: Patentin Ver. 2.0
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Best Local Similarity 87.5%;
Matches 14; Conservative
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; ORGANISM: Conus pennaceus
US-09-493-795B-115
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Matches 14; Conservative
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                                                                                           Query Match 76.9%; Score 80; DB 4; Length 56; Best Local Similarity 75.0%; Pred. No. 0.0045; Matches 12; Conservative 0; Mismatches 4; Indels
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US-09-493-795B-368

Sequence 368, Application US/09493795B

Patent No. 6797808

GENERAL INFORMATION:
APPLICANT: Watkins, Maren
APPLICANT: Olivera, Baldomero M.
APPLICANT: Hillyard, David R.
APPLICANT: Hillyard, David R.
TITLE OF INVENTION: Alpha-Conotoxin Peptides
FILE REFERENCE: 2314-179.A

CURRENT APPLICATION NUMBER: US/09/493,795B

CURRENT APPLICATION NUMBER: US 60/118,381

PRIOR FILING DATE: 1999-01-29

PRIOR FILING DATE: 1999-01-29

SOFTWARE: Patentin Ver. 2.0

LENGTH: 21

LENGTH: 21
                                                                                                                                                                                                                                                                                                            US-09-493-795B-133

1 Sequence 133, Application US/09493795B

1 Patent No. 6797808

1 GENERAL INFORMATION:

2 APPLICANT: Watkins, Maren

3 APPLICANT: Hillyard, David R.

4 APPLICANT: Hillyard, David R.

5 TITLE OF INVENTION: Alpha-Conotoxin Peptides

7 TITLE REFERENCE: 2314-179.A

CURRENT APPLICATION NUMBER: US/09/493,795B

7 CURRENT APPLICATION NUMBER: US 60/118,381

7 RIOR FILING DATE: 1999-01-29

7 NUMBER OF SEQ ID NOS: 404

7 SEQ ID NO 133

7 EMGTH: 59

7 WUMBER OF SEQ ID NOS: 404

7 SEQ ID NO 133
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Best Local Similarity 75.03
Matches 12; Conservative
  ; TYPE: PRT
; ORGANISM: Conus textile
US-09-493-795B-67
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US-09-493-795B-67
Sequence 67, Application US/09493795B
Patent No. 6797808
Patent No. 6797808
GENERAL INFORMATION:
APPLICANT: Watkins, Maren
APPLICANT: Hillyard, David R.
APPLICANT: Hillyard, David R.
APPLICANT: Hillyard, David R.
APPLICANT: McIntosh, J. Michael
APPLICANT: Jones, Robert M.
CURRENT APPLICATION NUMBER: US 60/118,381
CURRENT FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 404
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 67
LENGTH: 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Olivera, Baldomero M.
APPLICANT: Hillyard, David R.
APPLICANT: Hillyard, David R.
APPLICANT: McIncosh, 1 Michael
APPLICANT: Jones, Robert M.
TITLE OF INVENTION: Alpha-Conotoxin Peptides
FILE REPERBNCE: 2314-179.A
CURRENT APPLICATION NUMBER: US/09/493,795B
CURRENT FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 404
SOFTWARE: Patentin Ver. 2.0
LENGTH: 56
CURRENT FILING DATE: 2000-01-28
PRIOR PAPLICATION NUMBER: US 60/118,381
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 404
SECTION NO 117
LENGTH: 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 358, Application US/09493795B
; Patent No. 6797808
: GENERAL INFORMATION:
; APPLICANT: Watkins, Maren
                                                                                                                                                                                                                                                                                                                                                             1 GCCSLPPCALNNPDYC 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GCCSLPPCALNNPDYC 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  40 GCCSHPPCFLNNPDYC 55
                                                                                                                                                                 TYPE: PRT
ORGANISM: Conus pennaceus
US-09-493-7958-117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: PRT
ORGANISM: Conus obscurus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-493-795B-358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-493-795B-358
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Pred. No. 0.019;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JUNEAU CAPELICATION OF SEQUENCE 46, APPLICATION OF SEQUENCE 46, APPLICATION:

APPLICANT: Olivera, Baldomero M. APPLICANT: Olivera, Baldomero M. APPLICANT: McIntosh, J. Michael

APPLICANT: McIntosh, J. Michael

APPLICANT: McIntosh, J. Michael

APPLICANT: Santos, Ameurfina D.

TITLE OF INVENTION: Conotoxin Peptides

CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti

STATE: DC

CITY: Washington

STATE: DC

ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: Eloppy disk

COMPUTER: McIntown: Pocyclosyms

MEDIUM TYPE: Floppy disk

COMPUTER: MordPerfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/137,800

FILING DATE: 19-OCT-1993

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

MAME: Inhem. Jeffrey L.

REFERRANCE/DOCKET NUMBER: 28,957

REFERRANCE/DOCKET NUMBER: 28,957

TELECOMMUNICATION NUMBER: 24260-104763

TELECOMMUNICATION NUMBER: 24260-104763

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-962-4810
                                                                                  APPLICANT: Watkins, Maren
APPLICANT: Olivera, Baldomero M.
APPLICANT: Hilyard, David R.
APPLICANT: Hilyard, David R.
APPLICANT: McIntosh, J. Michael
APPLICANT: Jones, Robert M.
ITLE OF INVENTION: Alpha-Conotoxin Peptides
FILE REFERENCE: 2314-179.A
CURRENT APPLICATION NUMBER: US/09/493,795B
CURRENT FILING DATE: 2000-01-28
PRIOR APPLICATION NUMBER: US 60/118,381
PRIOR PALLING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 404
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2; Mismatches
                          ; Sequence 77, Application US/09493795B
; Patent No. 6797808
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 72.1%;
Best Local Similarity 68.8%;
Matches 11; Conservative ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 GCCSLPPCALNNPDYC 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    44 GCCSHPACSVNNPDIC 59
                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: PRT;
; ORGANISM: Conus bandanus
US-09-493-7958-77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE CHARACTERISTICS:
LENGTH: 65 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: peptide HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                amino acid
  US-09-493-795B-77
                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 77
                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH:
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0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    72.1%; Score 75; DB 4; Length 38; 68.8%; Pred. No. 0.012; Live 2; Mismatches 3; Indels
                                                                                                                                                  Sequence 125, Application US/09493795B
Fatent No. 6797808
GENERAL INCORMATION:
APPLICANT: Watkins, Maren
APPLICANT: Olivera, Baldomero M.
APPLICANT: Hilyard, David R.
APPLICANT: McIntosh, J. Michael
APPLICANT: Jones, Robert M.
TITLE OF INVENTION: Alpha-Conotoxin Peptides
FILE REFERENCE: 2314-179.A
CURRENT FILING DATE: 2000-01-28
FRIOR APPLICANTION NUMBER: US 60/118,381
FRIOR PAPLICANTION NUMBER: US 60/118,381
FRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 404
SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 346, Application US/09493795B
Fatent No. 6797808
GENERAL INFORMATION:
APPLICANT: Watkins, Maren
APPLICANT: Olivera, Baldomero M.
APPLICANT: Hilyard, David R.
APPLICANT: Jones, Robert M.
TITLE OF INVENTION: Alpha-Conotoxin Peptides
FILE REFERENCE: 2314-179.A
CURRENT FILING DATE: 2000-01-28
FILE REPERTOR FILING DATE: 2000-01-28
FILE REPERTOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 404
SEQ ID NO 346
LENGTH: 38
1 GCCSLPPCALNNPDYC 16
                        5 GCCSDPSCNVNNPDYC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GCCSLPPCALNNPDYC 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Conus episcopatus
US-09-493-795B-125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: PRT
; ORGANISM: Conus marmoreus
US-09-493-795B-346
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
Matches 11; Conserve
                                                                                                                              US-09-493-795B-125
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US-09-493-795B-346
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Gaps

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                                                                                                                                                                         Query Match 72.1%; Score 75; DB 1; Length 65; Best Local Similarity 68.8%; Pred. No. 0.02; Matches 11; Conservative 2; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Olivera, Baldomero M.
APPLICANT: Cruz, Lourdes J.
APPLICANT: Cruz, Lourdes J.
APPLICANT: Hillyard, David R.
APPLICANT: Macintosh, J. Michael
APPLICANT: Macintosh, J. Michael
APPLICANT: Macintosh, J. Michael
APPLICANT: Macintosh, J. Michael
APPLICANT: Sancos, Ameurfino S.
ITILE OF INVENTION: Conoctoxin Peptides
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
APTER: D.
CURREST: 1201 New York Avenue, N.W., Suite 1000
CITY: Washington
CITY: Washington
CITY: Washington
CITY: Washington
STREET: D.C.
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/477,383
FILING DATE: 19-OCT-1993
PRIOR APPLICATION NUMBER: US/08/4,848
FILING DATE: 19-OCT-1993
PRIOR APPLICATION NUMBER: US/08/4,848
FILING DATE: 19-OCT-1993
PRIOR APPLICATION NUMBER: 28-3557
REFERENCE/DOCKET NUMBER: 28-3540
TELEPRATION STREET INFORMATION:
TELEPRONE: 202-962-4810
TELEPRONE: 202-962-4810
TELEPRONE: 202-962-4810
TELEPRONE: 202-962-4810
TELEPRONE: SEQUENCE CHARACTERISTICS:
LENGTH: 65 and no acids
STREET MACONINGES:
SEQUENCE CHARACTERISTICS:
LENGTH: 65 and no acids
STREET MACONINGES:
STREET MACONIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 46, Application US/08477383; Patent No. 5589340; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                        1 GCCSLPPCALNNPDYC 16
                                                                                                                                                                                                                                                                                                                                                             49 GCCSHPACSVNNPDIC 64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Conus bandanus
US-08-477-383-46
                                                                         Conus bandanus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Con
US-08-137-800-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 15
US-08-477-383-46
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1 GCCSLPPCALNNPDYC 16

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Db 49 GCCSHPACSVNNPDIC 64
Search completed: March 15, 2005, 09:13:58
Job time: 23 sec8
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March 15, 2005, 08:50:58; Search time 1141 Seconds (without alignments)
4.625 Million cell updates/sec
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1: /cgn2_6/ptodata/1/pubpaa/USO7_PUBCOMB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/USO6_NEW_PUB_pep:*

3: /cgn2_6/ptodata/1/pubpaa/USO6_PUBCOMB.pep:*

4: /cgn2_6/ptodata/1/pubpaa/USO6_PUBCOMB.pep:*

5: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*

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7: /cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB.pep:*

8: /cgn2_6/ptodata/1/pubpaa/USO8_NEW_PUB.pep:*

9: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*

10: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*

11: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*

11: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*

13: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*

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16: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*

17: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*

18: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*

19: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*

10: /cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1396920 seqs, 329844858 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                           - protein search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                                                                                                                                                          104
1 GCCSLPPCALNNPDYC 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                                                                                                                                                   US-09-897-465-10
                                                                                                                                                                                                                                                                                                                                                                   Title:
Perfect score:
Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Scoring table:
                                                                                                                                           OM protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Database :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Searched:
                                                                                                                                                                                                                    Run on:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

	Description	Sequence 10, Appl	Sequence 10, Appl	Sequence 9, Appli	Sequence 12, Appl	Sequence 9, Appli	Sequence 12, Appl	Sequence 115, App	Sequence 11, Appl	Sequence 11, Appl	Sequence 117, App	Sequence 358, App	Sequence 67, Appl	Sequence 133, App
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	ID	US-09-897-465-10	US-10-827-369-10	US-09-897-465-9	US-09-897-465-12	US-10-827-369-9	US-10-827-369-12	US-10-895-372-115	US-09-897-465-11	US-10-827-369-11	US-10-895-372-117	US-10-895-372-358	US-10-895-372-67	US-10-895-372-133
	DB	6	16	6	σ	16	16	17	0	16	17	17	17	17
	Query Match Length DB	16	16	16	16	16	16	26	16	16	26	26	26	59
æ	Query	100.0	100.0	95.2	95.2	95.2	95.2	91.3	90.4	90.4	87.5	79.8	76.9	76.9
	Score	104	104	66	66	66	66	95	94	94	91	83	80	80
	Result No.	п	7	ю	4	S	9	7	80	o	10	11	12	13

Sequence 3 Sequence 13 Sequence 3 Sequence 7 Sequence 5,	Sequence e, Appli Sequence 6, Appli Sequence 61, Appl Sequence 604, App Sequence 406, App	Sequence 618, App Sequence 344, App Sequence 87, Appl Sequence 416, Appl Sequence 615, Appl	Sequence 437, App Sequence 609, App Sequence 119, App Sequence 110, App Sequence 278, App Sequence 306, App	Sequence 282, App Sequence 149, App Sequence 8, Appli Sequence 617, App Sequence 8, Appli Sequence 354, App Sequence 413, App Sequence 151, App
US-10-895-372 US-10-895-372 US-10-895-372 US-10-895-372 US-09-897-465-	US-09- US-10 US-10 US-10 US-10	US-10-072-602B-6 US-10-895-372-34 US-10-895-372-87 US-10-072-602B-4	US-10-072-602B-43 US-10-072-602B-60 US-10-072-602B-10 US-10-895-372-107 US-10-895-372-208 US-10-895-372-308	US-10-895-372-282 US-10-895-372-149 US-09-897-465-8 US-10-072-602B-617 US-10-827-369-8 US-10-895-372-354 US-10-095-372-76 US-10-072-602B-443 US-10-095-372-151
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388 100 100 100 100 100 100 100 100 100 1	71 71 10 10 10 10	417 62 63 71	61 61 61 25 7	38 57 16 16 16 22 41 41 57
76.0 72.1 72.1 71.2	69 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	67.3	00000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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444 444 744 744 744 744 744 744 744 744	2 2 2 2 2 2 2 4 2 4 4 4 4 4 4 4 4 4 4 4	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	) ዚ ଘ ଘ ଘ ଘ ଘ ዕ ଘ ଘ ଘ ଘ ଘ ଘ ଘ	W W W A A A A A A C 80 20 0 11 51 12 14 17

## ALIGNMENTS

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) OTHER INFORMATION: Description of Artificial Sequence:A10L derivative; OTHER INFORMATION: of C. purpurascens PnIA US-09-897-465-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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Sequence 10 Application US/09897465
; Sequence 10 Application US/09897465
; Patcht No. US20022022715A1
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Variter, G. Edward
; APPLICANT: University of Utah Research Foundation
; TITLE OF INVENTION: Uses of Alpha-Conotoxin S
FILE REFERENCE: Uses of Alpha-Conotoxins
; CURRENT FILING DATE: 2001-07-03
PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR APPLICATION NUMBER: US 60/070,153
PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SUFIWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 1-6
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1 GCCSLPPCALNNPDYC 16

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1 GCCSLPPCALNNPDYC 16

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OTHER INFORMATION: Description of Artificial Sequence: AlOL derivative CTHER INFORMATION: of C. purpurascens PnIA US-10-827-369-10
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                                                                                                STREAM. INFUGNATION:

APPLICANT: Olivera, Baldomero M.

APPLICANT: McIncosh, J. Michael

APPLICANT: Yoshikami, Doju

APPLICANT: Cartier, G. Edward

APPLICANT: Cartier, G. Edward

APPLICANT: University of Utah Research Foundation

ITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides

FILE REFERENCE: 2314-278

CURRENT APPLICATION NUMBER: US/10/827,369

CURRENT FILING DATE: 2004-04-20

PRIOR APPLICATION NUMBER: US 09/897,465

PRIOR APPLICATION NUMBER: US 09/219,446

PRIOR FILING DATE: 1998-12-23

PRIOR PILING DATE: 1998-12-23

PRIOR PELING DATE: 1998-04-03

PRIOR PELING DATE: 1999-04-03

PRIOR PILING DATE: 1999-12-31

NUMBER OF SEQ ID NOS: 13

SOFTWARE PLANCY DATE: 1998-12-31
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GENERAL INFORMATION:
APPLICANT: Olivera Baldomero M.
APPLICANT: McIntosh, J. Michael
APPLICANT: McIntosh, J. Michael
APPLICANT: Yoshikami, Doju
APPLICANT: Yoshikami, Doju
APPLICANT: Cartier, G. Edward
APPLICANT: Luo, Sigin
APPLICANT: University of Utah Research Foundation
ITILE OF INVENTION: Uses of Alpha-Conotoxins
CURRENT APPLICANT: UNIVERSITY Of Utah Research Foundation
FILE REFERENCE: Uses of Alpha-Conotoxins
CURRENT APPLICATION NUMBER: US 60/080,588
FRIOR APPLICATION NUMBER: US 60/080,588
FRIOR APPLICATION NUMBER: US 60/080,588
FRIOR APPLICATION NUMBER: US 60/070,153
FRIOR PRILING DATE: 1997-12-31
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patentin Ver. 2.0
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      100.0%; Score 104; DB 16;
100.0%; Pred. No. 7.3e-07;
Live 0; Mismatches 0;
                           Sequence 10, Application US/10827369
Publication No. US20040192610A1
GENERAL INFORMATION:
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US-09-897-465-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0
Matches 16; Conservative
US-10-827-369-10
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                          Length 16;
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                                                                                                                                                                                                                                                                   ## Sequence 12, Application US/09897465
## Sequence 12, Application US/09897465
## Patent No. US202002715A1
## Sequence 12, Application US/09897465
## Sequence 12, Application US/09897465
## Septicant: Olivera, Baldomero M.
## APPLICANT: Olivera, Baldomero M.
## APPLICANT: Cartier, G. Edward
## APPLICANT: Cartier, G. Edward
## APPLICANT: Luo, Sidin
## APPLICANT: Luo, Sidin
## APPLICANT: Uno, Sidin
## APPLICANT: Uno, Sidin
## APPLICANT: Uno, Uses of Alpha-Conotoxin
## TITLE OF INVENTION: Uses of Alpha-Conotoxin
## CURRENT APPLICATION NUMBER: US 60/080, 588
## PRIOR PRILING DATE: 1998-04-03
## PRIOR FILING DATE: 1998-04-03
## PRIOR PRILING DATE: 1998-04-03
## PRIOR PRILING DATE: 1997-12-31
## SOFTWARE: PatentIN Ver. 2.0
## SEQ ID NOS: 13
## SEQ ID NOS: 13
## SEQ ID NOS: 13
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APPLICANT: Olivera, Baldomero M.

APPLICANT: Olivera, Baldomero M.

APPLICANT: Yoshikami, Doju

APPLICANT: Cartier, G. Edward

APPLICANT: Cartier, G. Edward

APPLICANT: University of Utah Research Foundation

TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides

CURRENT APPLICATION NUMBER: US/10/827,369

CURRENT APPLICATION NUMBER: US 09/897,465

PRIOR APPLICATION NUMBER: US 09/897,465

PRIOR APPLICATION NUMBER: US 09/219,446

PRIOR APPLICATION NUMBER: US 60/080,588

PRIOR APPLICATION NUMBER: US 60/080,588

PRIOR FILING DATE: 1998-04-03

PRIOR PELING DATE: 1998-04-03

PRIOR PELING DATE: 1998-112-31

NUMBER OF SEQ ID NOS: 13

SEQ ID NO 9

TANGER DO 9
                  Score 99; DB 9; I Pred. No. 3.2e-06;
95.2%; Scor.
93.8%; Pred. No. 3.2.
... 0; Mismatches
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Publication No. US20040192610A1
GENERAL INFORMATION:
                                                                                                                                                              1 GCCSLPPCAANNPDYC 16
                                                                                                                   1 GCCSLPPCALNNPDYC 16
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             Query Match
Best Local Similarity 93.8°
Matches 15; Conservative
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) OTHER INFORMATION: Description of Artificial Sequence:N11S derivative; OTHER INFORMATION: of C. purpurascens PnIA
US-09-897-465-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: INFORMATION:
APPLICANT: McIntosh, J. Michael
APPLICANT: Yoshikami, Doju
APPLICANT: Yoshikami, Doju
APPLICANT: Cartier, G. Edward
APPLICANT: Luo, Siqin
APPLICANT: University of Utah Research Foundation
ITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides
FILE REFERENCE: Uses of Alpha-Conotoxin Peptides
CURRENT APPLICATION NUMBER: US/09/897,465
CURRENT FILING DATE: 1998-04-03
PRIOR APPLICATION NUMBER: US 60/080,588
PRIOR PILING DATE: 1998-04-03
PRIOR PILING DATE: 1998-04-03
PRIOR APPLICATION NUMBER: US 60/070,153
PRIOR APPLICATION NUMBER: US 60/070,153
SOFTWARE: PATENTING DATE: 1997-12-31
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PATENTIN Ver. 2.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                         40 GCCSHPPCAMNNPDYC 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GCCSLPPCAASNPDYC 16
                                                                                                                                                                                                                                                                                                                                              1 GCCSLPPCALNNPDYC 16
                                   TYPE: PRT
ORGANISM: Conus pennaceus
US-10-895-372-115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-827-369-11
   LENGTH: 56
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                                                                                                               Length 16;
                                                                                                           Query Match 95.2%; Score 99; DB 16; Length 16
Best Local Similarity 93.8%; Pred. No. 3.2e-06;
Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-827-369-12

1) Sequence 12, Application US/10827369

1) Publication, No. US20040192610A1

2) GENERAL INFORMATION:

3) APPLICANT: Olivera, Baldomero M.

4) APPLICANT: Olivera, J. Michael

5) APPLICANT: Yoshikami, Doju

6) APPLICANT: Cartier, G. Edward

7) APPLICANT: University of Utah Research Foundation

7) TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides

7) FILE REFERENCE: 2314-278

7) CURRENT APPLICATION UNMER: US/10/827,369

7) CURRENT APPLICATION NUMBER: US 09/219,446

PRIOR FILING DATE: 2001-07-03

7) PRIOR FILING DATE: 1998-12-23

7) PRIOR FILING DATE: 1998-12-23

7) PRIOR PILING DATE: 1998-12-23

7) PRIOR PILING DATE: 1998-12-23

7) NUMBER OF SEQ ID NOS: 13

7) SOFTWARE: PATENTION NUMBER: US 60/070,153

7) SEQ ID NO 12

7) LENGTH: 16
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APPLICANT: Watkins, Maren
APPLICANT: Mallyard, David R.
APPLICANT: Hillyard, David R.
APPLICANT: McInceh, J. Michael
APPLICANT: McInceh, J. Michael
APPLICANT: Jonee, Robert M.
TITLE OF INVENTION: Alpha-Conotoxin Peptides
FILE REFERENCE: 2314-286
CURRENT APPLICATION NUMBER: US/10/895,372
CURRENT FILING DATE: 2004-07-21
PRIOR FILING DATE: 2000-01-28
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 404
SOFTWARE: PATENTING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 404
SEQ ID NO 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 115, Application US/10895372
Publication No. US20050032705A1
GENERAL INFORMATION:
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; ORGANISM: Conus purpurascens US-10-827-369-9
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US-10-895-372-67
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                                                                                                                                                                                                                    ) OTHER INFORMATION: Description of Artificial Sequence: N11S derivative COTHER INFORMATION: of C. purpurascens PnIA US-10-827-369-11
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87.5%; Score 91; DB 17; Length 56;
Best Local Similarity 87.5%; Pred. No. 0.00011;
Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 117, Application US/10895372
Fublication No. US20050032705A1
GENERAL INFORMATION:
APPLICANT: Watkins, Maren
APPLICANT: Olivera, Baldomero M.
APPLICANT: Olivera, Baldomero M.
APPLICANT: Olivera, Baldomero M.
APPLICANT: Mointosh, J. Michael
APPLICANT: Jones, Robert M.
TITLE OF INVENTION: Appla-Conotoxin Peptides
FILE REPERBNCE: 2314-286
CURRENT APPLICATION NUMBER: US/10/895,372
FRIOR APPLICATION NUMBER: US 09/493,795
PRIOR FILING DATE: 2000-01-28
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 404
SOFTWARE PATENTIN VET: 2.0
LENGTH: 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Olivera, Baldomero M.
APPLICANT: Hillyard, David R.
APPLICANT: Hillyard, David R.
APPLICANT: Morthoesh, V. Michael
APPLICANT: Jones, Robert M.
TITLE OF INVENTION: Alpha-Conotoxin Peptides
FILE REFERENCE: 234-286
CURRENT APPLICATION NUMBER: US/10/895,372
CURRENT FILING DATE: 2004-07-21
PRIOR APPLICATION NUMBER: US 09/493,795
PRIOR FILING DATE: 1998-04-03
PRIOR PELING DATE: 1998-04-03
PRIOR FILING NUMBER: US 60/070,153
NUMBER OF SEQ ID NOS: 13
SEQ ID NO 11
LENGTH: 16
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                                                                                                                                                      TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                1 GCCSLPPCALNNPDYC 16
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; ORGANISM: Conus pennaceus
US-10-895-372-117
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US-10-895-372-358
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Search completed: March 15, 2005, 09:13:30 Job time : 1142 secs
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                                                                                                                         Query Match 76.9%; Score 80; DB 17; Length 59; Best Local Similarity 75.0%; Pred. No. 0.0031; Matches 12; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                            Sequence 125, Application US/10895372

Sequence 125, Application US/10895372

Publication No. US20050032705A1

GENERAL INFORMATION:
APPLICANT: Watkins, Maren
APPLICANT: Watkins, Maren
APPLICANT: Millyard, David R.
APPLICANT: Millyard, David R.
APPLICANT: Millyard, David R.
TITLE OF INVENTION: Alpha-Conotoxin Peptides
FILE REFERENCE: 2314-286
CURRENT APPLICATION NUMBER: US/10/895,372
CURRENT FILING DATE: 2004-07-21

PRIOR FILING DATE: 2000-01-28
PRIOR FILING DATE: 1999-01-29

PRIOR FILING DATE: 1999-01-29

NUMBER OF SEQ ID NOS: 404

SOFTWARE PATENTIN VET: 2.0
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NUMBER OF SEQ ID NOS: 404
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SEQ ID NO 133
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) ORGANISM: Conus omaria

US-10-895-372-368
                                             ; LENGTH: 59
; TYPE: PRT
; ORGANISM: Conus dalli
US-10-895-372-133
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; LENGTH: 56
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; ORGANISM: Conus episcopatus
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